

**Parish Chemical Site**  
**Vineyard, UT**  
**Progress Report # 11**  
**03/24/14 - 04/06/14**

The current effort, many of which are ongoing, will include, but not be limited to the following activities:

- Inspecting the Site to verify the integrity of facility
- Determining the volumes of hazardous substances
- Segregating incompatible chemicals and establishing proper storage issues throughout the Site
- Hazard categorizing known and unknown products, intermediates and wastes
- Transferring the contents of tanks and drums for bulk waste shipments
- Transporting manifested wastes for disposal
- Decontaminating the Parish facility and equipment as necessary to prevent further release of hazardous substances;

#### **Current Activities**

During the time period covered by the report, March 24, 2014, to April 6, 2014, the following Site activities were conducted:

- START segregated containers in the analytical lab into groups based on physical characteristics (solid and liquid) and container type/size (glass and plastic). START was able to combine like chemicals and dispose of 600+ empty containers.
- Hazcat of Analytical Lab is 90% complete.
- START continued hazcat sampling of containers from the analytical lab.
- ERRS continued segregating waste streams, marking identified drums, segregating drums according to compatible waste characteristics, supporting START sampling activities, lab packing drums and organizing the Site.
- ERRS continued to stage characterized wastes streams in areas at the north and south areas of the Site.
- ERRS began to lab pack the stockroom. Estimated 25% complete.
- START continued to perform waste characterization on sampled containers for waste stream categorization. To date START has sampled and categorized 1878 drum yard samples and 1049 small containers from the laboratories.

#### **Data Management**

START implemented the USEPA Response Manager (RM) software to manage waste, hazcating, and disposal data for the Site work. The current status of RM at the Site is:

- RM is being used to record hazardous waste disposal information for materials on-site in real-time.

- Container and waste characterization information is being recorded and reported utilizing a Filemaker pro app on a tablet (iPad). The data is being exported and readily accessible for importation into RM. A server has been used to copy the characterization / container database on the iPad to an offsite, project-specific ftp site for daily archiving.
- As of April 6, 2014, ERRS has identified 47 waste-streams from characterization
- As of April 6, 2014, 3 disposal groups have been partially manifested and shipped offsite, 2 disposal groups have been completely manifested and shipped offsite, 5 disposal groups (and 3 partials) have been awarded and are awaiting disposal, and one disposal group is out for bid.

### **Disposition of Wastes**

As of April 6, 2014, 458 drums and 26 totes of assorted regulated materials have been manifested and shipped offsite, totaling 32,990 gallons. Two shipments are scheduled for pick-up the week of April 11, 2014.

A number of waste streams have been identified, including non-flammable halogenated solvents (methylene chloride), flammable solvents, flammable and non-flammable corrosive liquid acids, and oxidizers (solid and liquid). The following tables present the waste streams identified as of April 6, 2014, which have been shipped, which awarded for disposal and are awaiting pickup, and which are out for bid by ERRS.

<b>Containers Removed from Site (Most of TD1 and TD2; part of TD6; all of TD4, TD5)</b>			
<b>Waste Stream</b>	<b>Quantity</b>	<b>Container</b>	<b>Location</b>
UN 1454, Calcium Nitrate	2	Drum	Outside Yard
UN 2668, Chloroacetonitrile	1	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	20	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	5	Drum	Outside Yard
UN 3265, Corrosive Liquid, Acidic, Organic, n.o.s.	7	Drum	Outside Yard
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	6	Drum	Outside Yard
UN 2922, Corrosive Liquids, Toxic, n.o.s.	56	Drum	Outside Yard
UN 1916, Dichlorodiethyl Ether	4	Drum	Outside Yard
UN 1593, Dichloromethane	22	Drum	Outside Yard
UN 2023, Epichlorohydrin	2	Drum	Outside Yard
UN 2924, Flammable Liquids, Corrosive, n.o.s.	27	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	30	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	11	Tote	Outside Yard
NA 3082, Hazardous Waste, Liquid, n.o.s.	150	Drum	Outside Yard
NA 3082, Hazardous Waste, Liquid, n.o.s.	4	Overpack	Outside Yard
UN 2014, Hydrogen Peroxide	1	Drum	Outside Yard
UN 1791, Hypochlorite Solutions	10	Drum	Outside Yard
UN 3246, Methanesulfonyl Chloride	4	Drum	Outside Yard
Non-DOT/RCRA Regulated Liquid	77	Drum	Outside Yard
Non-DOT/RCRA Regulated Liquid ( Acetic Acid Solution)	12	Drum	Outside Yard
Non-DOT/RCRA Regulated Liquid ( Acetic Acid Solution)	15	Tote	Outside Yard
Non-DOT/RCRA Regulated Solids	3	Drum	Outside Yard
UN 3139, Oxidizing Liquid, n.o.s.	13	Drum	Outside Yard
UN 1486, Potassium Nitrate	1	Drum	Outside Yard
UN 2810, Toxic Liquids, Organic, n.o.s.	1	Drum	Outside Yard

<b>Awarded, Awaiting Pickup (Miscellaneous drums from TD1, TD2, TD6; all of TD3, TD6, TD7, TD8, TD9)</b>			
<b>Waste Stream</b>	<b>Quantity</b>	<b>Container</b>	<b>Location</b>
UN 1090, Acetone	5	Drum	Outside Yard
UN 2218, Acrylic Acid	1	Drum	Outside Yard
UN 2018, Chloroanilines	1	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	21	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	1	Overpack	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	1	Tote	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	1	Tank	Outside Yard
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	95	Drum	Outside Yard

UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	1	Overpack	Outside Yard
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	9	Tote	Outside Yard
UN 3265, Corrosive Liquid, Acidic, Organic, n.o.s.	27	Drum	Outside Yard
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	6	Drum	Outside Yard
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	1	Overpack	Outside Yard
UN 3266, Corrosive Liquids, Basic, Inorganic, n.o.s.	1	Tote	Outside Yard
UN 3267, Corrosive Liquid, Basic, Organic, n.o.s.	2	Drum	Outside Yard
UN 3267, Corrosive Liquids, Basic, Organic, n.o.s.	16	Tote	Outside Yard
UN 2922, Corrosive Liquids, Toxic, n.o.s.	1	Drum	Outside Yard
UN 2922, Corrosive Liquids, Toxic, n.o.s.	2	Overpack	Outside Yard
UN 1148, Diacetone Alcohol	1	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	161	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	4	Overpack	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	15	Tote	Outside Yard
UN 2924, Flammable Liquids, Corrosive, n.o.s.	36	Drum	Outside Yard
UN 1992, Flammable Liquid, Toxic, n.o.s.	15	Drum	Outside Yard
UN 1325, Flammable Solids, Organic, n.o.s.	7	Drum	Outside Yard
UN 1208, Hexanes	1	Tote	Outside Yard
UN 1788, Hydrobromic Acid	2	Drum	Outside Yard
Non-DOT/RCRA Regulated Liquid	63	Drum	Outside Yard
Non-DOT/RCRA Regulated Liquid	5	Overpack	Outside Yard
Non-DOT/RCRA Regulated Liquid	40	Tote	Outside Yard
Non-DOT/RCRA Regulated Liquid	1	Tank	Outside Yard
Non-DOT/RCRA Regulated Solids	103	Drum	Outside Yard
Non-DOT/RCRA Regulated Solids	15	Overpack	Outside Yard
Non-DOT/RCRA Regulated Solid	2	Tote	Outside Yard
UN 1230, Methanol	2	Tote	Outside Yard
UN 3139, Oxidizing Liquid, n.o.s.	22	Drum	Outside Yard
UN 3139, Oxidizing Liquid, n.o.s.	1	Overpack	Outside Yard
UN 3139, Oxidizing Liquid, n.o.s.	6	Tote	Outside Yard
UN 3139, Oxidizing Liquid, n.o.s.	1	Tank	Outside Yard
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	23	Drum	Outside Yard
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	1	Tote	Outside Yard
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	2	Tank	Outside Yard
UN 1479, Oxidizing Solids, n.o.s.	1	Overpack	Outside Yard
UN 1805, Phosphoric Acid	2	Drum	Outside Yard
UN 2796, Sulfuric Acid	1	Drum	Outside Yard
UN 1593, Waste Dichloromethane	2	Drum	Outside Yard

RFQ Out for Bid (TD10)			
Waste Stream	Quantity	Container	Location
Non-DOT/RCRA Regulated Liquid	79	Drum	Outside Yard
UN 1648, Acetonitrile	4	Drum	Outside Yard
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	5	Drum	Outside Yard
UN 3139, Oxidizing Liquid, n.o.s.	13	Drum	Outside Yard
Non-DOT/RCRA Regulated Liquid (Ethylene glycol)	1	Drum	Outside Yard
UN 1155, Diethyl Ether	1	Drum	Outside Yard
UN 2387, Fluorobenzene	1	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	1	Drum	Outside Yard
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	13	Drum	Outside Yard
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	2	Overpack	Outside Yard
UN 2672, Ammonia Solution	1	Drum	Outside Yard
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	1	Drum	Outside Yard
UN 1170, Ethanol	1	Drum	Outside Yard
UN 1105, Pentanols	1	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	4	Drum	Outside Yard
UN 3295, Hydrocarbons, liquid, n.o.s.	1	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	1	Drum	Outside Yard
UN 2383, Dipropylamine	1	Drum	Outside Yard
UN 1208, Hexanes	1	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	1	Drum	Outside Yard
NA 1993, Combustible Liquid, n.o.s.	1	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	1	Drum	Outside Yard
UN 2811, Toxic Solids, n.o.s.	1	Drum	Outside Yard
UN 2811, Toxic Solids, n.o.s.	1	Drum	Outside Yard
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	1	Drum	Outside Yard
UN 1993, Flammable Liquids, n.o.s.	1	Drum	Outside Yard
UN 2924, Flammable Liquids, Corrosive, n.o.s.	3	Drum	Outside Yard
UN 2924, Flammable Liquids, Corrosive, n.o.s.	1	Overpack	Outside Yard
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	4	Drum	Outside Yard

Site Photos  
03/24/14 – 04/6/14



Analytical Lab-containers staged into solids and liquids



A sample of small containers within the Analytical Lab



ERRS bulking small containers from dry storage



ERRS clearing out shelving units to make more room for lab packing in the stockroom. Two out of seven shelving units have been removed.